

Document 00911

NOTICE OF
ADDENDUM NO. 4

Date of Addendum: 3/3/15

PROJECT NAME: Gillette Trunkline (Genesee Segment) Drainage and Paving
Improvements

PROJECT NO: WBS No. M-410290-0003-4

BID DATE: March 12, 2015 (BID DATE HAS CHANGED)

FROM: Ravi Kaleyatodi, P.E., CPM, Senior Assistant Director
City of Houston, Public Works and Engineering Department
611 Walker St., 15th Floor
Houston, Texas 77002
Attn: Ellen Maas, P.E., Project Manager

TO: Prospective Bidders

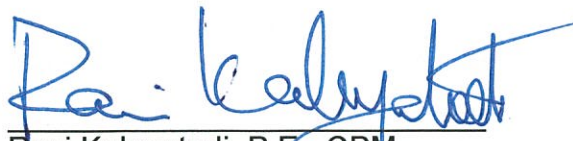
The referenced Addendum forms a part of the Bidding Documents and will be incorporated into the Contract documents, as applicable.

Written questions regarding this Addendum may be submitted to the Project Manager following the procedures specified in Document 00200 – Instructions to Bidders. Immediately notify the City Engineer through the named Project Manager upon finding discrepancies or omissions in the Bid Documents.

This Addendum includes:

ADDENDUM SYNOPSIS

Change in Bid Date
Changes to Construction Drawings
Clarifications to the Bid Documents.

ESM 

Ravi Kaleyatodi, P.E., CPM
Senior Assistant Director
Engineering Branch
Engineering and Construction Division

DATED: 3/3/15

END OF DOCUMENT

Document 00910

ADDENDUM NO. 4

Date of Addendum: 3/3/15

PROJECT NAME: Gillette Trunkline (Genesee Segment) Drainage and Paving Improvements

PROJECT NO: WBS No. M-410290-0003-4

BID DATE: March 12, 2015 (BID DATE HAS CHANGED)

FROM: James T. Lincoln, P.E., City Engineer
City of Houston, Department of Public Works and Engineering
611 Walker St., 15th Floor
Houston, Texas 77002
Attn: Ellen Maas, P.E., Project Manager

TO: Prospective Bidders

This Addendum forms a part of the Bidding Documents and will be incorporated into the Contract documents, as applicable. Insofar as the original Project Manual and Drawings are inconsistent, this Addendum governs.

This Addendum uses the change page method: remove and replace or add pages, or Drawing sheets, as directed in the change instructions below. Change bars (|) are provided in the outside margins of pages from the Project Manual to indicate where changes have been made; no change bars are provided in added sections. Reissued Drawing Sheets show the Addendum number below the title block and changes in the drawing are noted by a revision mark and enclosed in a revision cloud.

CHANGE IN BID DATE

The Bid Date for this Project has been changed from March 5, 2015 to March 12, 2015. Time of day and place for submittal of bid remains the same.

CHANGES TO CONSTRUCTION DRAWINGS


1. Drawing No. 44 – Water and Sanitary Sewer Plan and Profile Sheet, Genesee Street Sta 8+00 to 12+50. Replace entire document. Reason – Removed Conflict Manhole Callout.
2. Drawing No. 65 – COH Standard Water Line Details (2 of 2). Replace entire document. Reason – Removed Casing Detail.

CLARIFICATIONS

QUESTIONS FROM PLAN HOLDERS

Q1.	Is casing/liner required for trenchless construction of water bid items 147, 148, 154, 155, 156, 157, 160, & 161? If required, detail 2/37 on sheet 65 shows a casing schedule for water line segments not located in this plan set. Can a casing/liner schedule be provided?
A1.	<i>Casing/liner will not be required. Detail from sheet 65 has been removed.</i>
Q2.	Sheet 44 calls for the installation of MH-G11A (conflict manhole) at station 9+40. MH-G11A is not shown on plan or profile. If a conflict manhole will need to be installed, can the owner provide a detail of the manhole? Also, please clarify what the manhole is in conflict with.
A2.	<i>Conflict manhole will not be needed and callout has been removed from drawing.</i>
Q3.	Will the owner and engineer allow the contractor to leave a temporary driving surface in place between the utility relocation phase and box culvert installation phase?
A3.	<i>Yes. Please see Traffic Control Plans for locations where temporary pavement is anticipated.</i>
Q4.	Clarify where bid item #94 – Flexible Base for Temp. Roadway, Detour, Shoulder (5,200 SY) is to be used. It is not shown on plans or described in summary of work. Also, provide detail or description of what material is to be used and thickness required.
A4.	<i>Please see Traffic Control Plans (specifically sheets 72 and 76) for expected temporary pavement locations. Temporary pavement shall be 8-inch thick flexible base course (see specification for material requirements).</i>

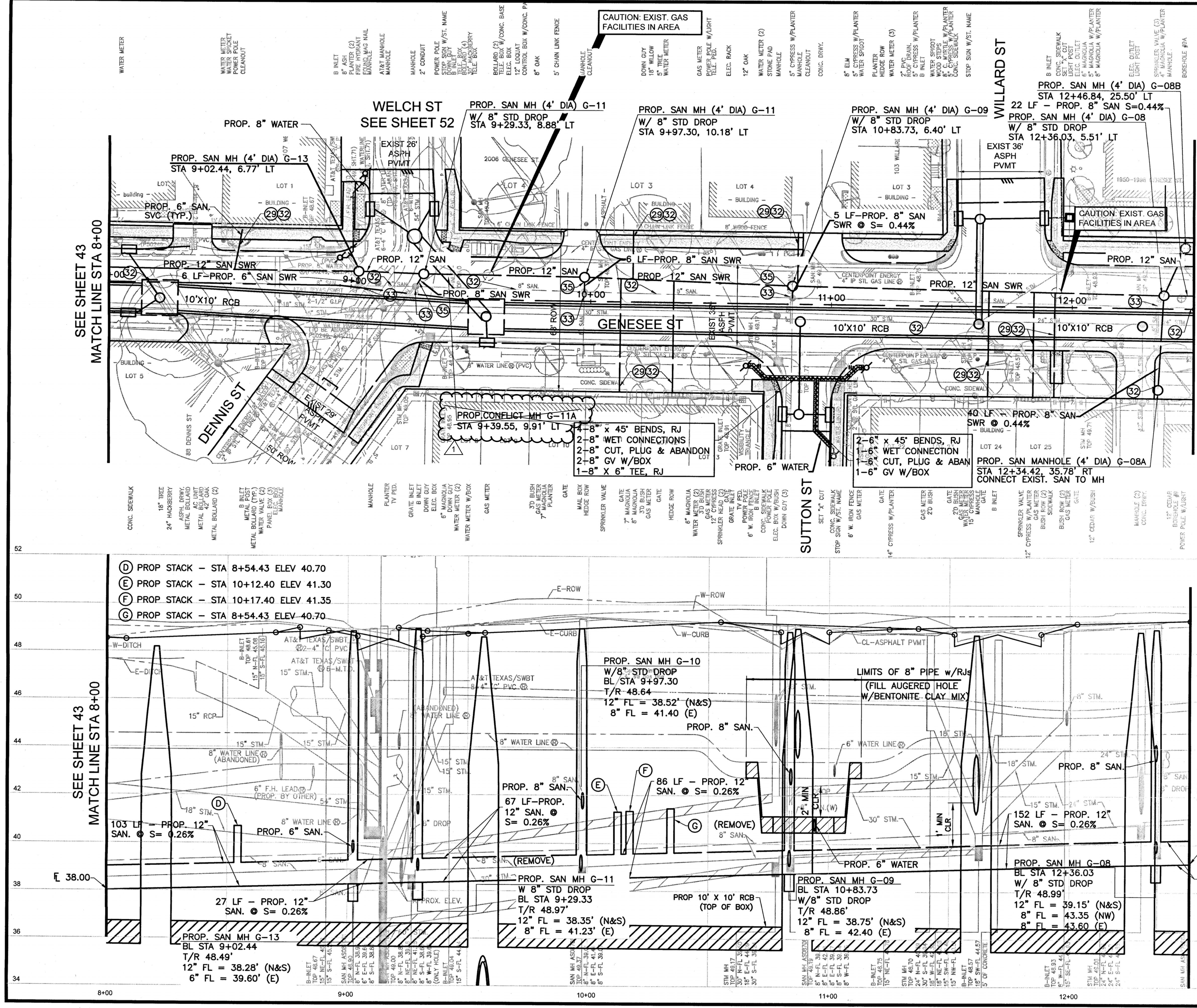
END OF ADDENDUM NO. 4

ESM 

Ravi Kaleyatodi, P.E., CPM
Senior Assistant Director
Department of Public Works and Engineering

DATED: 3/3/15

END OF DOCUMENT



BENCHMARK:
C.O.H. BENCHMARK 5357-1111 LOCATED ON NORTH SIDE OF ALLEN PARKWAY AT CENTERLINE EXTENSION OF GILLETTE STREET.
ELEV.=42.33' (NAVD 88, CORS96)

TBM B-11
FND. 1/2" I.R. W/CAP LOCATED SOUTHWEST CORNER OF W. DALLAS ST. AND GENESEE ST. INTERSECTION
STA: 2+38.43/OFFSET: 25.39' RT. EL= 50.29'

- NOTES:
- ALL STATIONING SHOWN ON THIS SHEET REFERENCES GENESEE ST & UNLESS OTHERWISE NOTED.
 - SEE SHEET 3 FOR STANDARD NOTE LEGEND.
 - SEE SHEETS 36 - 40 FOR STORM SEWER LATERALS.
 - FOR ALL PAVING AND STORM SEWER INFORMATION, SEE PAVING AND STORM. PLAN AND PROFILE SHEETS 27 - 35A
 - CONSTRUCT 12" SANITARY SEWER BETWEEN MH G-11 AND G-13 AFTER JB-12 IS IN PLACE.
 - ALL SANITARY MANHOLES WITH EXTERNAL DROP SHALL BE CORROSION RESISTANT.

TO ARRANGE FOR LINES TO BE TURNED OFF OR MOVED, CALL CENTERPOINT AT 713-207-2222

VERIFICATION OF PRIVATE UTILITY LINES

[Signature] 10/14/14
CENTERPOINT ENERGY/NATURAL GAS FACILITIES VERIFICATION ONLY. DATE
(THIS SIGNATURE VERIFIES THAT YOU HAVE SHOWN CNP NATURAL GAS LINES CORRECTLY - NOT TO BE USED FOR CONFLICT VERIFICATION.) (GAS SERVICE LINES ARE NOT SHOWN.)
SIGNATURE VALID FOR SIX MONTHS.

[Signature] 10-14-14
APPROVED FOR AT&T TEXAS/SWBT UNDERGROUND CONDUIT FACILITIES ONLY. DATE
SIGNATURE VALID FOR ONE YEAR.

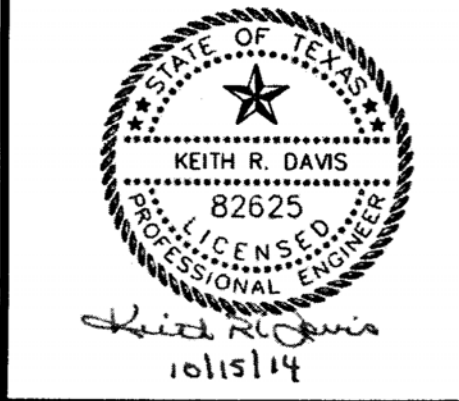
[Signature] 10/14/14
CENTERPOINT ENERGY/UNDERGROUND ELECTRIC FACILITIES VERIFICATION ONLY. DATE
(THIS SIGNATURE VERIFIES EXISTING UNDERGROUND FACILITIES - NOT TO BE USED FOR CONFLICT VERIFICATION.)
SIGNATURE VALID FOR SIX MONTHS.

GABLE COMPANY 10-14-14 DATE

NOTICE: FOR YOUR SAFETY, YOU ARE REQUIRED BY TEXAS LAW TO CALL 811 AT LEAST 48 HOURS BEFORE YOU DIG SO THAT UNDERGROUND LINES CAN BE MARKED. THIS VERIFICATION DOES NOT FULFILL YOUR OBLIGATION TO CALL 811.



FIRM NO. 11278
11011 RICHMOND AVENUE, SUITE 370
HOUSTON, TX 77042
PH: 713.965.9996
FAX: 713.965.0044



SURVEYED BY: KUO
FB NO. P5761

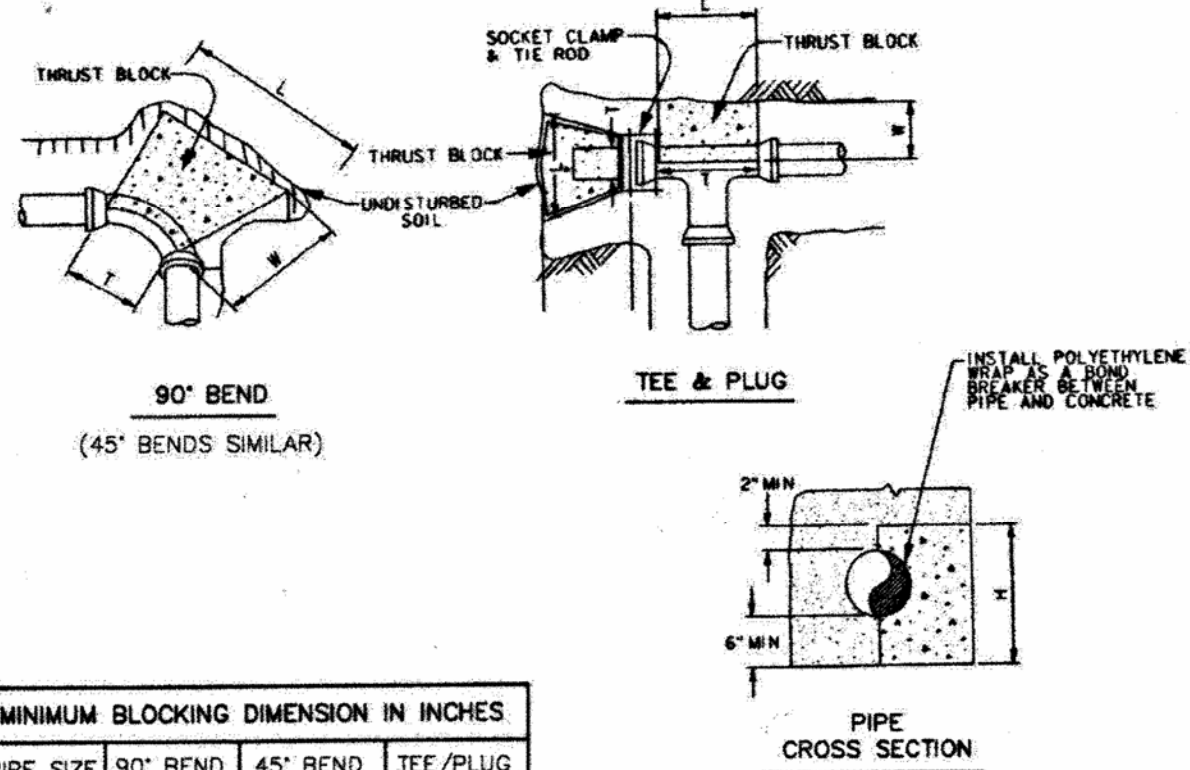
CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

GILLETTE TRUNKLINE (GENESEE SEGMENT)
WATER AND SANITARY PLAN AND PROFILE SHEETS
GENESEE STREET
STA 8+00 TO 12+50
ADDENDUM NO. 4

WBS NO. M-410290-0003-3

DRAWING SCALE
1"=20' FULL HORZ
1"=2' FULL VERT
CITY OF HOUSTON PM
ROOPA METLA, P.E.
FILE:
SHEET NO. 44 OF 107





PIPE SIZE	90° BEND	45° BEND	TEE/PLUG
4"	12 1/4	10 1/4	10 1/4
6"	14 1/4	12 1/4	12 1/4
8"	16 1/4	14 1/4	14 1/4
10"	18 1/4	16 1/4	16 1/4
12"	20 1/4	18 1/4	18 1/4

SOIL TYPE	SOIL BEARING S _b (lb/ft ²)	MULTIPLY "L" AND "H" BY
SOFT CLAY	1000	1.73
SILT	1500	1.41
SANDY SILT	3000	1.00
SAND	4000	0.87
SANDY CLAY	6000	0.71
HARD CLAY	9000	0.58

NOTES:

- DEPTH "W" MAY BE GREATER THAN SPECIFIED TO ALLOW WORKING SPACE.
- BLOCKING MUST BE PLACED AGAINST UNDISTURBED EARTH. WHERE THIS IS NOT POSSIBLE, THE FILL BETWEEN THE BEARING SURFACE AND UNDISTURBED SOIL MUST BE COMPACTED TO AT LEAST 90% STANDARD PROCTOR DENSITY.
- PROVIDE CONCRETE IN ACCORDANCE WITH STANDARD SPECIFICATION SECTION 03315 - CONCRETE FOR UTILITY CONSTRUCTION.
- BLOCKING DIMENSIONS SHOWN ARE BASED ON 3000 PSI SOIL BEARING STRENGTH AND 125 PSI INTERNAL WATER PRESSURE. FOR OTHER SOIL CONDITIONS, MULTIPLY DIMENSIONS "L" AND "H" BY THE APPROPRIATE CORRECTION FACTOR.

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

THRUST BLOCK DETAIL
FOR WATER LINES
(4-INCH TO 12 INCH)
(NOT TO SCALE)

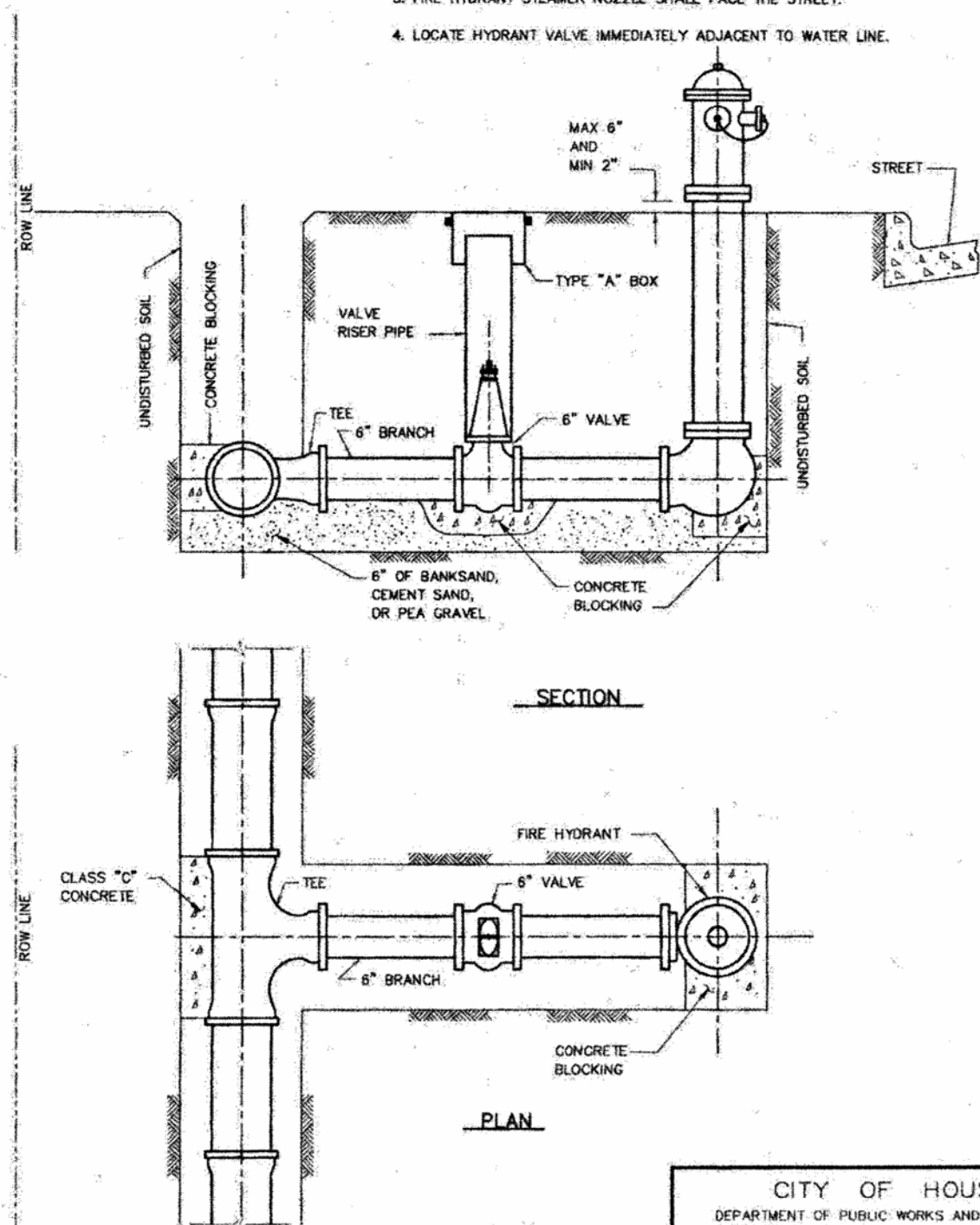
APPROVED: *[Signature]*
CITY ENGINEER

DIRECTOR OF PUBLIC
WORKS AND ENGINEERING

EFF DATE: JULY-01-2010 DWG NO: 02511-02

NOTES:

- LOCATE FIRE HYDRANTS AT PCV OF THE INTERSECTION CURB RADIUS, 5 FEET BEHIND CURB OR PROJECTED FUTURE CURB.
- ON OPEN-ONCH ROADWAYS, SET THE FIRE HYDRANTS WITH IN 5 FEET OF RIGHTS-OF-WAY LINES.
- FIRE HYDRANT STEAMER NOZZLE SHALL FACE THE STREET.
- LOCATE HYDRANT VALVE IMMEDIATELY ADJACENT TO WATER LINE.



CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

STANDARD
FIRE HYDRANT DETAIL
(NOT TO SCALE)

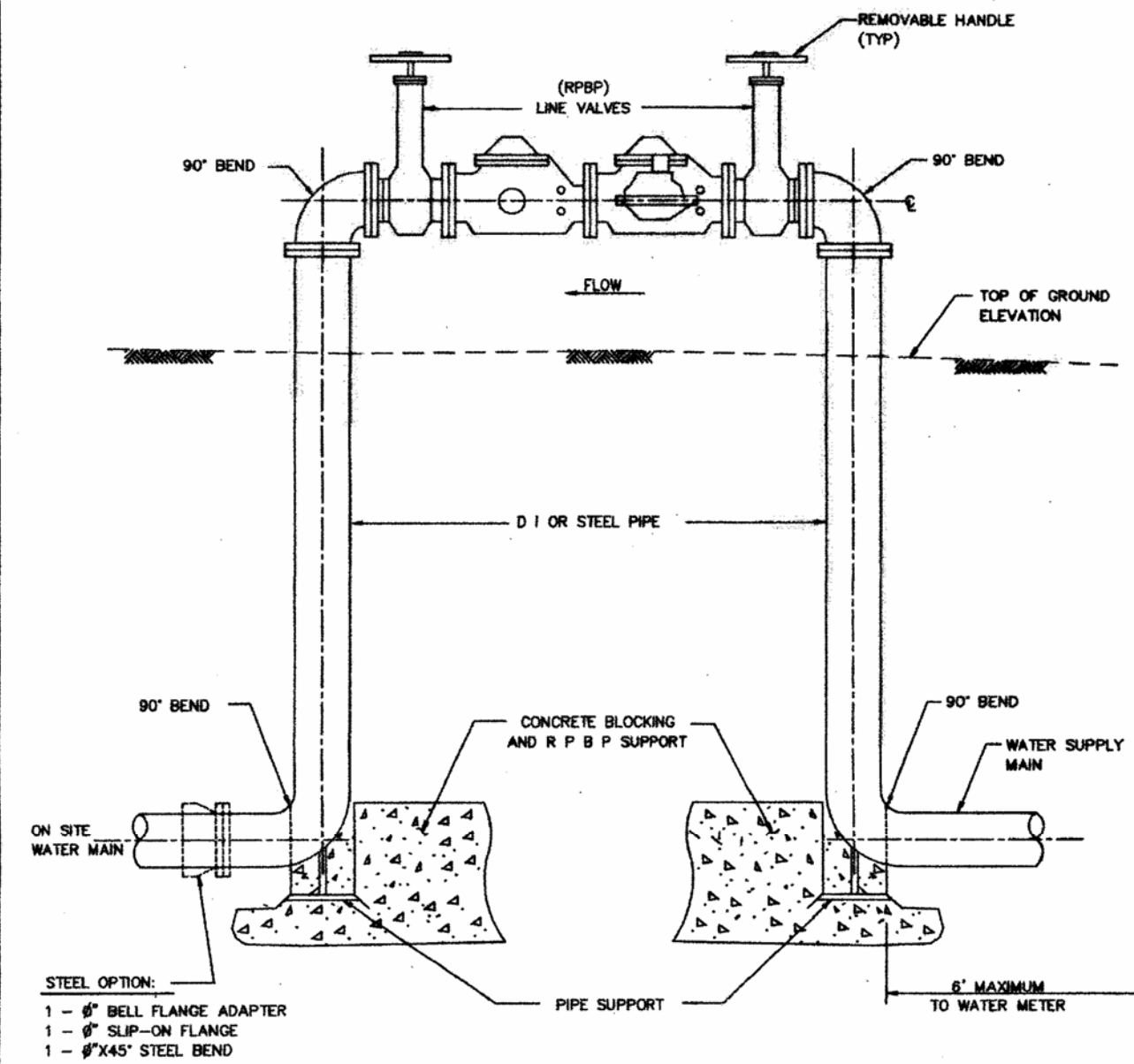
APPROVED: *[Signature]*
CITY ENGINEER

DIRECTOR OF PUBLIC
WORKS AND ENGINEERING

EFF DATE: JULY-01-2010 DWG NO: 02520-01

GENERAL NOTES:

- INSULATE REDUCED PRESSURE BACKFLOW PREVENTER TO AVOID FREEZING.
- REDUCED PRESSURE BACKFLOW PREVENTER'S DISCHARGE OPENING IS TO BE A MINIMUM OF 12 INCHES ABOVE GROUND ELEVATION OR 100 YEAR FLOOD ELEVATION WHICHEVER IS GREATER.



CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

REDUCED PRESSURE
BACKFLOW - PREVENTER
(R P B P)
(NOT TO SCALE)

APPROVED: *[Signature]*
CITY ENGINEER

DIRECTOR OF PUBLIC
WORKS AND ENGINEERING

EFF DATE: JULY-01-2010 DWG NO: 02523-01

TO ARRANGE FOR LINES TO BE TURNED OFF OR
MOVED, CALL CENTERPOINT AT 713-207-2222

VERIFICATION OF PRIVATE UTILITY LINES

CENTERPOINT ENERGY/NATURAL GAS FACILITIES VERIFICATION ONLY. DATE
(THIS SIGNATURE VERIFIES THAT YOU HAVE SHOWN CNP NATURAL
GAS LINES CORRECTLY - NOT TO BE USED FOR CONFLICT
VERIFICATION.) (GAS SERVICE LINES ARE NOT SHOWN.)
SIGNATURE VALID FOR SIX MONTHS

APPROVED FOR AT&T TEXAS/SWBT UNDERGROUND CONDUIT FACILITIES ONLY. DATE
SIGNATURE VALID FOR ONE YEAR.

CENTERPOINT ENERGY/UNDERGROUND ELECTRIC FACILITIES VERIFICATION ONLY. DATE
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- NOT TO BE USED FOR CONFLICT VERIFICATION.)
SIGNATURE VALID FOR SIX MONTHS.

CABLE COMPANY DATE

NOTICE: FOR YOUR SAFETY, YOU ARE REQUIRED
BY TEXAS LAW TO CALL 811 AT LEAST 48
HOURS BEFORE YOU DIG SO THAT
UNDERGROUND LINES CAN BE MARKED. THIS
VERIFICATION DOES NOT FULFILL YOUR
OBLIGATION TO CALL 811.

HRGreen

FIRM NO. 11278
11011 RICHMOND
AVENUE, SUITE 375
HOUSTON, TX 77042
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FAX: 713.965.0044

KIT
Challenging Challenges...
KIT Professionals, Inc.
Engineers Planners Construction Managers
2000 W. Sam Houston Pkwy S., Suite 1400
Houston, Texas 77042
Phone: (713)783-8700 Fax:
(713)783-8747
TSPC Firm Registration No. F-4991



SURVEYED BY: KUO
FB NO. P5761

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

GILLETTE TRUNKLINE
(GENESEE SEGMENT)

COH STANDARD
WATER LINE
DETAILS

(2 OF 2) ADDENDUM NO. 4

WBS NO. M-410290-0003-3

DRAWING SCALE

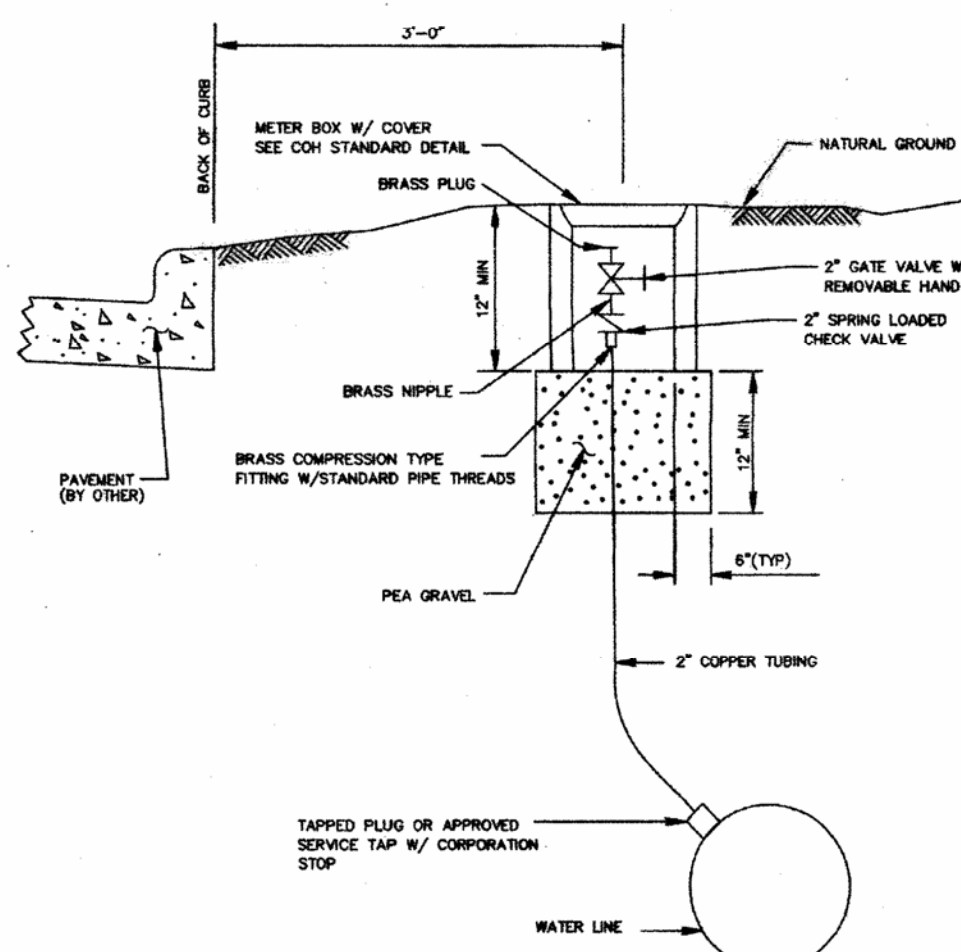
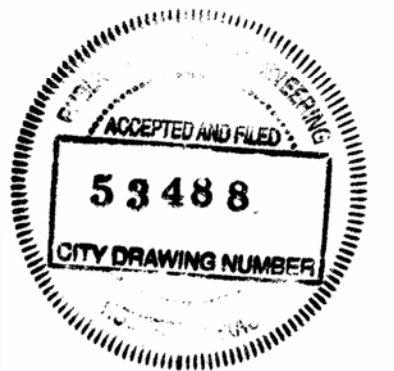
NTS

CITY OF HOUSTON PM

ROOPA METLA, P.E. *[Signature]*

FILE:

SHEET NO. 65 OF 107



GENERAL NOTES:

- PLACE GATE VALVE VERTICAL TO GROUND WITH END OF BRASS PLUG 3 INCHES FROM SURFACE
- PLACE METER BOX CENTER AROUND GATE VALVE BOX WITH LONG SIDE PARALLEL TO VALVE.

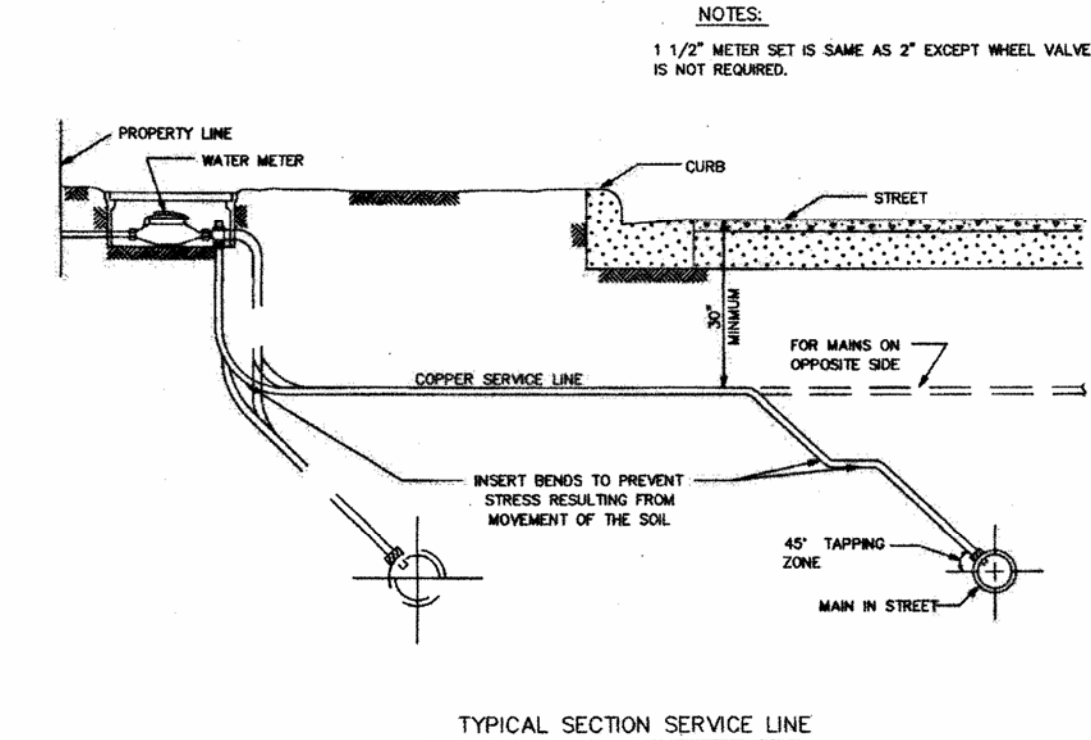
CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

PERMANENT
BLOW-OFF-DETAIL
(NOT TO SCALE)

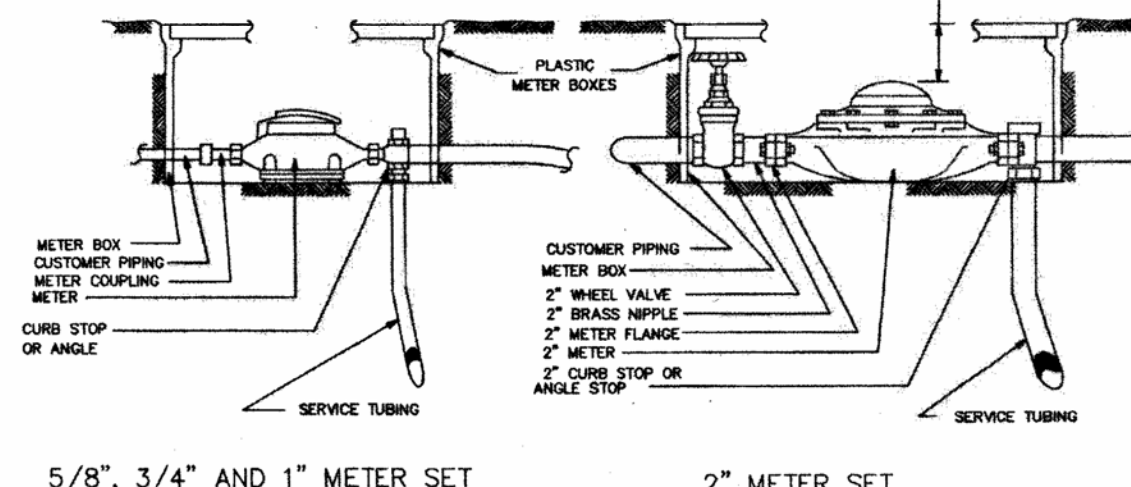
APPROVED: *[Signature]*
CITY ENGINEER

DIRECTOR OF PUBLIC
WORKS AND ENGINEERING

EFF DATE: JULY-01-2010 DWG NO: 02524-01



TYPICAL SECTION SERVICE LINE



5/8", 3/4" AND 1" METER SET

2" METER SET

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

TYPICAL METER
SETTINGS
(NOT TO SCALE)

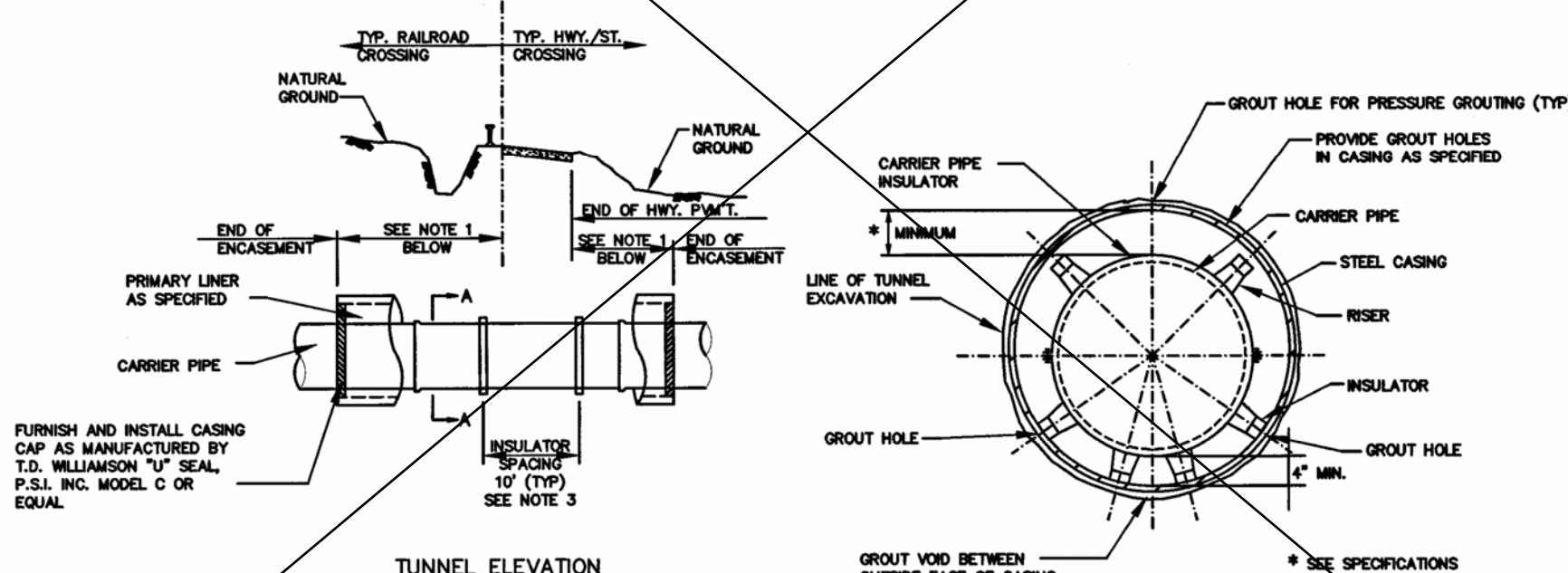
APPROVED: *[Signature]*
CITY ENGINEER

DIRECTOR OF PUBLIC
WORKS AND ENGINEERING

EFF DATE: JULY-01-2010 DWG NO: 02526-01

MINIMUM TUNNEL LINER / CASING SIZES AND THICKNESS

LOCATION	WATER MAIN DIA.	PIPE MATERIAL	NORMAL DIAMETER / WALL THICKNESS (IN. / IN.)		CASING I.D. WALL THICKNESS N/A / N/A
			2-FLANGE (D) LINER PLATE	4-FLANGE LINER PLATE	
STA 1+10.50 TO STA 1+92.58 (OPEN-OUT)	42"	Steel	N/A	N/A	54" / 0.375"
STA 4+25.80 TO STA 4+65.80 (40" WATER MAIN EASEMENT) (OPEN-OUT)	42"	DIP	N/A	N/A	N/A
STA 7+30.48 TO STA 7+72.48 (40" WATER MAIN EASEMENT) (OPEN-OUT)	42"	Steel	54" / 0.1046"	54" / 0.1046"	54" / 0.375"
STA 22+03.40 TO STA 23+01.34 (40" WATER MAIN EASEMENT) TUNNEL	42"	DIP	N/A	N/A	N/A
		POCP	N/A	N/A	N/A



NOTES:

- LENGTH OF ENCASEMENT SHALL BE AS SHOWN ON THE PLAN & PROFILE DRAWINGS.
- LAY CASING PIPE IN OPEN-OUT, TUNNEL OR BORE, AS NOTED ON PLAN & PROFILE DRAWINGS.
- SEE SPECIFICATIONS FOR APPROPRIATE MODEL ACCORDING TO PIPE DIAMETER.

2 CASING DETAIL
(FOR WATER MAINS LESS THAN
36-INCHES IN DIAMETER)

SECTION A-A

NOTE:
1. ALL TUNNELS IN PPOM AREA ARE TO BE GROUTED